

## **REMARKS**

In Response to the Office Action, Claims 1 and 11 are amended. Claims 3, 5 and 7 were previously cancelled. Claims 1, 2, 4, 6 and 8-14 remain in the Application. Reconsideration of the pending claims is respectfully requested in view of the above amendment and the following remarks.

### **I. Claims Rejected Under 35 U.S.C. §112**

Claims 11-14 stand rejected under 35 U.S.C. §112, first paragraph, as failing to comply with the written description requirement.

Claims 11-14 stand rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention.

Applicants submit that the recited element of Claim 11 “transferring the first organic source vapors by a transfer gas supplied from a transfer gas supply source via a transfer gas transfer line, which is maintained at a constant temperature to prevent condensation of the first organic source vapors” is supported by the specification in paragraph 52 and Figure 2. However, to improve clarity, Applicants amend Claim 11 to more clearly point out that both of the transfer gas transfer line and the source vapor transfer line carry the source vapor, and heat is applied to the source vapor transfer line. In the specification at paragraph 52 and Figure 2, an embodiment is described and shown that the transfer gas is carried by a transfer gas transfer line 417 and a source vapor transfer line 350 from a transfer gas supply source 410 to a shower head 110, and the source vapor transfer line 350 is surrounded by a heater 500. Thus, the specification clearly supports the limitations of Claim 11.

Accordingly, withdrawal of the 35 U.S.C. §112 rejection of Claims 11-14 is respectfully requested.

### **II. Claims Rejected Under 35 U.S.C. §103(a)**

A. Claims 1, 3, 4, 6 and 8 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,277,201 issued to Nishikawa (“Nishikawa”) taken in view of U.S. Patent No. 6,789,789 issued to Randive (“Randive”), and/or Japanese Patent No. 2001-

011634 issued to Ono (“Ono”) and optionally taken in further view of U.S. Patent No. 3,888,649 issued to Simhan (“Simhan”).

To establish a *prima facie* case of obviousness, the relied upon references must teach or suggest every limitation of the claim such that the invention as a whole would have been obvious at the time the invention was made to one skilled in the art.

Claim 1 is amended to include the limitation of “wherein the organic source vapor transfer line is maintained at a constant temperature to prevent condensation of the organic source vapors, the organic source vapor transfer line being kept at a temperature lower than the temperature of the source chamber.” Applicants submit that none of the cited references, individually or in combination, teach or suggest the amended limitation.

Nishiwaka, Randive, Ono, and Simhan, separately or in combination, do not teach or suggest the above amended limitation. In the rejection of Claim 6, the Examiner has relied on Van Buskirk (col. 10, lines 25-62) for disclosing a heater for heating up a source chamber and a source vapor transfer line. However, Van Buskirk does not disclose or suggest that the heat applied to the source vapor transfer line is lower than that of the source chamber. None of the cited references teach or suggest this limitation.

For at least the foregoing reasons, Claim 1 and its dependent claims are non-obvious over the cited references. Accordingly, withdrawal of the rejection of Claims 1, 3, 4, 6, and 8 is requested.

B. Claim 2 is rejected under 35 U.S.C. §103(a) as being unpatentable over Nishiwaka taken in view of Randive and/or Ono and optionally in view of Simhan for the reasons discussed above, and taken in further view of U.S. Patent No. 6,059,885 issued to Ohashi (“Ohashi”) or U.S. Patent No. 6,444,039 issued to Nguyen (“Nguyen”).

Claim 2 depends from Claim 1 and incorporates the limitations thereof. Thus, for at least the reasons mentioned above in regard to Claim 1, Nishiwaka, Randive, Ono, and Simhan do not teach or suggest each of the elements of Claim 2.

Neither Ohashi nor Nguyen discloses the limitation of “wherein the organic source vapor transfer line is maintained at a constant temperature to prevent condensation of the organic source vapors, the organic source vapor transfer line being kept at a temperature lower than the

temperature of the source chamber,” as recited in amended Claim 2. For at least the reasons mentioned above, the cited references, separately or in combination, do not teach or suggest each of the elements of amended Claim 1 and its dependent Claim 2.

Accordingly, withdrawal of the rejection of Claim 2 is respectfully requested.

C. Claims 6, 11 and 12 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Nishiwaka taken in view of Randive and/or Ono and optionally taken in view of Sinham for the reasons discussed above, and taken in further view of U.S. Patent No. 5,882,416 issued to Van Buskirk (“Van Buskirk”).

Claim 6 depends from Claim 1 and incorporates the limitations thereof. Thus, for at least the reasons mentioned above in regard to Claim 1, Nishiwaka, Randive, Ono, and Simhan do not teach or suggest each of the elements of Claim 6.

Van Buskirk does not disclose “wherein the organic source vapor transfer line is maintained at a constant temperature to prevent condensation of the organic source vapors, the organic source vapor transfer line being kept at a temperature lower than the temperature of the source chamber,” for the reasons mentioned above with respect to Claim 1. Thus, the cited references, separately or in combination, do not teach or suggest each of the elements of amended Claim 1 and its dependent Claim 6.

With respect to independent Claim 11, Applicants amend Claim 11 to include the limitation of “maintaining the organic source vapor transfer line at a constant temperature to prevent condensation of the first organic source vapors, the organic source vapor transfer line being kept at a temperature lower than the temperature of the source chamber.” For analogous reasons mentioned above with respect to Claim 1, the cited references, separately or in combination, do not teach or suggest each of the elements of amended Claim 11. Therefore, Claim 11 and its dependent Claim 12 are non-obvious over the cited references.

Accordingly, withdrawal of the rejection of Claims 6, 11 and 12 is respectfully requested.

D. Claims 1, 9 and 11-14 stand rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,461,436 issued to Campbell (“Campbell”) taken in view of U.S. Patent No. 6,969,539 issued to Gordon (“Gordon”) and in further view of Randive and/or

Ono and optionally in further view of Simhan, and in further view of U.S. Patent No. 6,630,201 issued to Chiang (“Chiang”) or PCT Application No. WO 01/40541 to Aro (“Aro”).

Independent Claims 1 and 11 are amended to include the limitation of “wherein the organic source vapor transfer line is maintained at a constant temperature to prevent condensation of the organic source vapors, the organic source vapor transfer line being kept at a temperature lower than the temperature of the source chamber,” and “maintaining the organic source vapor transfer line at a constant temperature to prevent condensation of the first organic source vapors, the organic source vapor transfer line being kept at a temperature lower than the temperature of the source chamber,” respectively.

For at least the reasons mentioned above, Randive, Ono and Simhan, separately or in combination, do not teach or suggest the amended limitations. Similarly, Campbell, Gordon, Chiang and Aro, separately or in combination, do not teach or suggest the amended limitations. Therefore, Claims 1 and 11, as well as their respective dependent claims, namely, Claims 9 and 12-14, are non-obvious over the cited references. Accordingly, withdrawal of the rejection of Claims 1, 9, and 11-14 is respectfully requested.

E. Claim 10 stands rejected under 35 U.S.C. §103(a) as being unpatentable over Campbell taken in view of Gordon and in further view of Randive and/or Ono and optionally in further view of Simhan and in further view of Chiang or Aro for the reasons stated in the previous paragraph rejection, and taken in further view of Van Buskirk.

Claim 10 depends from Claim 1 and incorporates the limitations thereof. Thus, for at least the reasons mentioned above in regard to Claim 1, Campbell, Gordon, Randive, Ono, Simhan, Chiang and Aro, do not teach or suggest each of the elements of Claim 10.

Van Buskirk also does not teach or suggest the amended limitation of “wherein the organic source vapor transfer line is maintained at a constant temperature to prevent condensation of the organic source vapors, the organic source vapor transfer line being kept at a temperature lower than the temperature of the source chamber,” as recited in Claim 1. Thus, for at least the reasons mentioned above, the cited references do not teach or suggest each of the elements of Claim 1 and its dependent Claim 10. Accordingly, withdrawal of the rejection of Claim 10 is respectfully requested.

### **CONCLUSION**

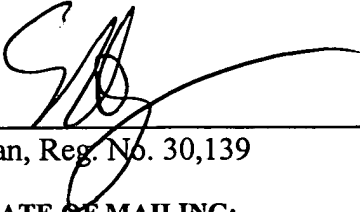
In view of the foregoing, it is believed that all claims are now in condition for allowance and such action is earnestly solicited at the earliest possible date. If there are any additional fees due in connection with the filing of this response, please charge those fees to our Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

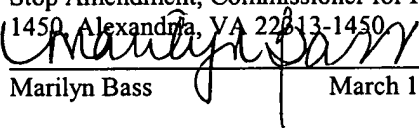
Dated: March 10, 2008

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**CERTIFICATE OF MAILING:**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
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March 10, 2008